

Claims

1.-15. (cancelled)

16. (new) A contact device for an electrical cable with a cable shield, comprising:

an arc-shaped contact part that can be fastened around the sheath of the cable and is provided with contact elements that protrude in a radially inward manner, wherein

each contact element includes a tip such that during installation of the contact device in a direction of impact that is oriented inwards and in an essentially radial manner, the tip penetrates the cable sheath and produces an electrical contact with the cable shield, wherein

the contact part is formed as a cable clip, wherein

a gear ring is formed from radially inward bent edges of the cable clip being, wherein

teeth of the gear ring form the contact elements, wherein

the gear ring has stops bent radially inward between the teeth, the stops centering the cable clip in the fastened state.

17. (new) The contact device according to Claim 16, wherein the teeth of the fastened contact clip penetrate the cable sheath such that an electrical contact is provided in an essentially concentric area with respect to the longitudinal axis of the cable.

18. (new) The contact device according to Claim 16, wherein the cable clip is made from a punched and shaped component of sheet metal section.

19. (new) The contact device according to Claim 17, wherein the

cable clip is made from a punched and shaped component of sheet metal section.

20. (new) The contact device according to Claim 16, wherein the teeth are triangular shaped and the tips are arranged at equal distances apart.

21. (new) The contact device according to Claim 17, wherein the teeth are triangular shaped and the tips are arranged at equal distances apart.

22. (new) The contact device according to Claim 16, wherein each tooth has a tooth height that is smaller than or equal to an overall thickness, wherein the overall thickness comprises the thickness of the cable sheath and the thickness of the cable shield.

23. (new) The contact device according to Claim 17, wherein each tooth has a tooth height that is smaller than or equal to an overall thickness, wherein the overall thickness comprises the thickness of the cable sheath and the thickness of the cable shield.

24. (new) The contact device according to Claim 18, wherein each tooth has a tooth height that is smaller than or equal to an overall thickness, wherein the overall thickness comprises the thickness of the cable sheath and the thickness of the cable shield.

25. (new) The contact device according to Claim 16, wherein the teeth are arranged on the peripheral side over gaps.

26. (new) The contact device according to Claim 17, wherein the teeth are arranged on the peripheral side over gaps.

27. (new) The contact device according to Claim 16, wherein contact part and all the teeth are made from one piece and from the same metallic material.

28. (new) The contact device according to Claim 16, wherein the contact part is coated with a corrosion-resistant material.

29. (new) The contact device according to Claim 28, wherein the corrosion-resistant material is tin.

30. (new) The contact device according to Claim 16, wherein the contact part is manufactured from a corrosion-resistant material.

31. (new) The contact device according to Claim 16, wherein the contact part at a side turned away from the cable is provided with a bead or a rib.

32. (new) The contact device according to Claim 16, wherein the contact part is fastened to a board of an electrical device using a bolted connection and the cable shield is electrically connected to the ground potential of the board by the contact part.

33. (new) The contact device according to Claim 16, wherein the contact part is extrusion-coated or overmolded except for the contact surfaces with a polymer or elastomer material.

34. (new) An electrical device, comprising a support unit for module frames which are connected to each other by shielded electrical cables having cable shields, wherein at least one cable shield is connected to the ground potential of the support unit by a contact device, wherein the contact device comprises:

an arc-shaped contact part that can be fastened around the

sheath of the cable and is provided with contact elements that protrude in a radially inward manner, wherein

each contact element includes a tip such that during installation of the contact device in a direction of impact that is oriented inwards and in an essentially radial manner, the tip penetrates the cable sheath and produces an electrical contact with the cable shield, wherein

the contact part is formed as a cable clip, wherein

a gear ring is formed from radially inward bent edges of the cable clip being, wherein

teeth of the gear ring form the contact elements, wherein

the gear ring has stops bent radially inward between the teeth, the stops centering the cable clip in the fastened state.